

SEQUENCE LISTING

<110> DAWSON, GLYN SEUNGUEN, JULIA CHO

<120> COMPOUNDS THAT ENHANCE TUMOR DEATH

<130> ARCD:351US

<140> 09/930,559

<141> 2001-08-15

<150> 60/225,526

<151> 2000-08-15

<160> 20

<170> PatentIn Ver. 2.1

<210> 1

<211> 2279

<212> DNA

<213> Human

<400> 1

ggcacgageg aagatggegt egeceggetg cetgtggete ttggetgtgg eteteetgee 60 atggacctgc gcttctcggg cgctgcagca tctggacccg ccggcgccgc tgccgttggt 120 gatctggcat gggatgggag acagctgttg caatccctta agcatgggtg ctattaaaaa 180 aatggtggag aagaaaatac ctggaattta cgtcttatct ttagagattg ggaagaccct 240 gatggaggac gtggagaaca gcttcttctt gaatgtcaat tcccaagtaa caacagtgtg 300 tcaggcactt gctaaggatc ctaaattgca gcaaggctac aatgctatgg gattctccca 360 gggaggccaa tttctgaggg cagtggctca gagatgccct tcacctccca tgatcaatct 420 gatctcggtt gggggacaac atcaaggtgt ttttggactc cctcgatgcc caggagagag 480 ctctcacatc tgtgacttca tccgaaaaac actgaatgct ggggcgtact ccaaagttgt 540 tcaggaacgc ctcgtgcaag ccgaatactg gcatgacccc ataaaggagg atgtgtatcg 600 caaccacage atettettgg cagatataaa teaggagegg ggtateaatg agteetacaa 660 gaaaaacctg atggccctga agaagtttgt gatggtgaaa ttcctcaatg attccattgt 720 ggaccctgta gattcggagt ggtttggatt ttacagaagt ggccaagcca aggaaaccat 780 tecettacag gagaeeteee tgtacacaca ggaeegeetg gggetaaagg aaatggacaa 840 tgcaggacag ctagtgtttc tggctacaga aggggaccat cttcagttgt ctgaagaatg 900 qttttatqcc cacatcatac cattccttqq atgaaacccg tatagttcac aatagagctc 960 agggagcccc taactcttcc aaaccacatg ggagacagtt tccttcatgc ccaagcctga 1020 gctcagatcc agcttgcaac taatccttct atcatctaac atgcactact tggaaagatc 1080 taaqatctqa atcttatcct ttgccatctt ctgttaccat atggtgttga atgcaagttt 1140 aattaccatg gagattgttt tacaaacttt tgatgtggtc aagttcagtt ttagaaaagg 1200 gagtctgttc cagatcaggg ccagaactgt gcccaggccc aaaggagaca actaactaaa 1260 gtagtgagat agattctaag ggcaaacatt tttccaagtc ttgccatatt tcaagcaaag 1320 aggtgcccag gcctgaggta ctcacataaa tgctttgttt tgctggtgat ttaaccagtg 1380 cttggaaaaa tcttgcttgg ctatttctgc atcatttctt aaggctgcct tcctctctga 1440 gtacgttgcc ctctgtgcta tcaatcatct tatcatcaat tattagacaa atcccactgg 1500 cctacagtet tgettetgea geacecaett tgteteetea ggtagtgatg aattagttge 1560 tgtcacaaaa ggagggaagt agcacccaaa ttaaattgct taagagagga aatgtacatc 1620 ttgtataact tagggagcga agaaaatgta ggcgcgaaag tgaaaagtga ggcagctagt 1680 tetteetatt ceattetega ceaacetgee etttettaat atgaetagtg gtettgatge 1740 tagagtcaac ttactctgtt gctggcttta gcagagaata ggaggaacca tatgaaaaag 1800 atcaggettt etgaetteea teeceaaaac acatttacca geataeteea aactgtttet 1860 gatgtgttcc atgagaaaag gattgtttgc tcaaaaagct tggaaaatac tacacactcc 1920

ctttctcctt ctggagatca acccacatta gagtgtctaa ggactcctga gaattcctgt 1980 tacaqtaaac aaaactaacg taatctacca tttcctacac tatttgagca tggaaatcat 2040 agtccccact ctatgaaaac ttaacgcttt ttggaagaca tttctgtagc atgtcagttt 2100 ggagaaatga tgagctacgc cttgatgaaa gaaccgtgtt ggtgctgcta agtttagcca 2160 ttatggtttt teetttetet etettaagee ttattettea aetaaaagat gaggattaag 2220 agcaagaagt tgggggggat gtgaaaataa ttttatgagg ttgtctaaaa tctcgtgcc 2279 <210> 2 <211> 306 <212> PRT <213> Human <400> 2 Met Ala Ser Pro Gly Cys Leu Trp Leu Leu Ala Val Ala Leu Leu Pro Trp Thr Cys Ala Ser Arg Ala Leu Gln His Leu Asp Pro Pro Ala Pro 30 25 Leu Pro Leu Val Ile Trp His Gly Met Gly Asp Ser Cys Cys Asn Pro Leu Ser Met Gly Ala Ile Lys Lys Met Val Glu Lys Lys Ile Pro Gly 55 Ile Tyr Val Leu Ser Leu Glu Ile Gly Lys Thr Leu Met Glu Asp Val 65 70 75 Glu Asn Ser Phe Phe Leu Asn Val Asn Ser Gln Val Thr Thr Val Cys Gln Ala Leu Ala Lys Asp Pro Lys Leu Gln Gln Gly Tyr Asn Ala Met 105 Gly Phe Ser Gln Gly Gln Phe Leu Arg Ala Val Ala Gln Arg Cys 115 120 Pro Ser Pro Pro Met Ile Asn Leu Ile Ser Val Gly Gly Gln His Gln 135 Gly Val Phe Gly Leu Pro Arg Cys Pro Gly Glu Ser Ser His Ile Cys 155 145 150 Asp Phe Ile Arg Lys Thr Leu Asn Ala Gly Ala Tyr Ser Lys Val Val 165 170

Gln Glu Arg Leu Val Gln Ala Glu Tyr Trp His Asp Pro Ile Lys Glu Asp Val Tyr Arg Asn His Ser Ile Phe Leu Ala Asp Ile Asn Gln Glu 205

Arg Gly Ile Asn Glu Ser Tyr 215

Phe Val Met Val Lys Phe Leu Asn Asp Ser Ile Val Asp Pro Val Asp

Ser Glu Trp Phe Gly Phe Tyr Arg Ser Gly Gln Ala Lys Glu Thr Ile Pro Leu Gln Glu Thr Ser Leu Tyr Thr Gln Asp Arg Leu Gly Leu Lys Glu Met Asp Asn Ala Gly Gln Leu 280 Val Phe Leu Ala Thr Glu Gly Asp

His Leu Gln Leu Ser Glu Glu Trp Phe Tyr Ala His Ile Ile Pro Phe 290 295 300

Leu Gly 305

<210> 3
<211> 7
<212> PRT
<213> Human
<400> 3
Gly Cys Val Lys Ile Lys 1

Gly Cys Val Lys Ile Lys Lys 1 5

<210> 4 <211> 8 <212> PRT <213> Human

<400> 4
Ile Arg Tyr Cys Trp Leu Arg Arg
1 5

<210> 5 <211> 9 <212> PRT <213> Human

<400> 5 Val Thr Thr Leu Cys Cys Gly Lys Asn 1 5

<210> 6 <211> 7 <212> PRT <213> Human <400> 6 Met Leu Cys Cys Met Arg Arg

```
<210> 7
<211> 8
<212> PRT
<213> Human
<400> 7.
Met Gly Cys Leu Gly Asn Ser Lys
                  5
<210> 8
<211> 10
<212> PRT
<213> Human
<400> 8
Gly Cys Met Ser Cys Lys Cys Val Leu Ser
 1
                 5
<210> 9
<211> 35
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      Primer
<400> 9
tctaggtacc aagatggcgt cgcccggctg cctgt
                                                                    35
<210> 10
<211> 38
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      Primer
<400> 10
                                                                    38
acggtctaga tcatccaagg aatggtatga tgtgggca
<210> 11
<211> 5
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 11
```

```
Val Lys Ile Lys Lys
 1
<210> 12
<211> 5
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 12
Tyr Cys Trp Leu Arg
<210> 13
<211> 7
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 13
Met Gly Cys Val Gln Cys Lys
                  5
<210> 14
<211> 7
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 14
Met Gly Cys Val Cys Ser Ser
  1
<210> 15
<211> 6
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 15
Met Gly Cys Ile Lys Ser
```

1 5

```
<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 16
Met Gly Ser Ser Lys Ser
                 5
<210> 17
<211> 14
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 17
Lys Leu Ala Lys Leu Ala Lys Leu Ala Lys Leu Ala Lys
                5
<210> 18
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 18
Leu Ala Leu Ala
 1
<210> 19
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Synthetic
      Peptide
<400> 19
Arg Tyr Cys Trp
 1
```